Forced Draft Fan:

Forced Draft Fan supplies most of the Combustion air. This fan takes air from the atmosphere and blows it into the furnace through air ducts. The Air Heater heats the air before it enters the Furnace. FD fan produce the positive pressure inside the system i.e. furnace.

Forced draft fan draws the air and force it into the combustion chamber of the boiler, where it mixes with the fuel being supplied. FD fans are typically used to regulate the proper amount of air-to-fuel ratios in an effort to maximize fuel efficiency and to minimize emissions, such as NOx. (Nitrogen Oxides).